

A REQUEST FOR PROPOSAL FOR PROFESSIONAL SERVICES CONTRACT

Department of Highways
Professional Services Procurement Bulletin 2018-03
Jefferson | I-265 / I-64 Interchange | 5-549

This document constitutes a Request for Proposals for a Professional Service Contract from qualified individuals and organizations to furnish those services as described herein for the Commonwealth of Kentucky, Department of Highways.

I. PROJECT DESCRIPTION

County – Jefferson
Route – I-265/I-64
Item No – 05-0549.00
Project Description – Reconstruction of the I-265/I-64 Interchange

II. PROJECT INFORMATION

Project Manager – Amanda Desmond, P.E.
User Division – Division of Highway Design
Approximate Fee – \$550,000 Preliminary Engineering & Environmental Services (Lump Sum)
Project Funding – IM Funds (Federal Funds)
Project Length – Approximately 4.3 miles mainline (7.2 miles includes ramps)

III. PURPOSE AND NEED

The purpose of the reconstruction of the I-265/I-64 Interchange project is to improve operational and safety characteristics of the interchange utilizing a Performance Based Flexible Solution (PBFS). The need is to address the short weaving segments and acceleration/deceleration lengths. The short weaving segments create extreme speed differentials at the existing interchange ramps. The acceleration and deceleration lengths do not provide enough length to safely accommodate traffic movements.

Project goals are to improve the operational and safety characteristics within the existing interchange.

IV. DBE REQUIREMENT

The Consultant team shall include a DBE Participation Plan with their Response to Announcement. An additional page will be allowed with the Project Approach (page 7) in the Response to Announcement to convey this plan. A maximum of 4 points will be considered in the Evaluation Factors for the DBE Participation Plan.

V. SCOPE OF WORK

The selected Consultant will be required to provide engineering services to:

- Supplemental Survey
- Conduct Public Involvement activities
- Prepare Preliminary Line & Grade plans, estimates, and DES for the Interchange
- Provide existing and proposed Traffic, including existing hourly traffic counts, traffic projections, existing and proposed interstate operations, and related information such as Capacity Analysis
- Benefit/Cost Analysis
- Highway Safety Analysis using HSM
- Prepare Interchange Modification Report with a Signing plan
- Prepare Geometric Layout Sheet(s)
- Preliminary Drainage design
- Preliminary Right-of-Way design
- Develop and Produce an Environmental Document

The selected Consultant may be required to provide Final Roadway Design, which may be added to the contract agreement by a contract modification when Preliminary Engineering is complete. Final Roadway Design includes, at a minimum, preparation of drainage design, right-of-way plans, construction plans including storm water construction, signing and pavement marking plans, traffic control plans, final cost estimates, and an anticipated construction schedule. Preliminary and Final Design of interchanges within the project limits may be advanced by a Contract Modification.

VI. SPECIAL INSTRUCTIONS

The Department may retain any of the advertised services to be performed by in-house state forces.

Instructions for Response to Announcement can be found at:

<http://transportation.ky.gov/Professional-Services/Pages/Respond-to-an-Announcement.aspx>

The KYTC will allow the following modifications to the standard response format for response to this advertisement only:

- Page 3: Project Team Organizational Chart, may be expanded, not to exceed one 11" x 17" page or two 8.5" x 11" pages.
- Page 6: Relative Experience of Proposed Team, may be expanded, not to exceed seven (7) pages total (A-G).

VII. AVAILABLE STUDIES

[Jefferson/I-265 Programming Study from I-65 to the new East End Bridge](#)

[Value Engineering Study for Gene Snyder Freeway \(I-265\) Interchanges \(US 60 and I-64\)](#)

[FONSI 5-21 and 5-41 - Jefferson | 5-549 | I-265](#)

[Geometric Layout Sheets 5-21 - Jefferson | 5-549 | I-265](#)

VIII. METHOD OF DESIGN

The selected Consultant shall utilize the most recent CADD Standards for Highway Plans Policy in the development of the highway plans.

IX. PHOTOGRAMMETRIC SERVICES

The Department will provide aerial LIDAR in addition to the Consultant providing necessary field surveying.

X. ENVIRONMENTAL

Any necessary Environmental Services will be provided by the Consultant. It is anticipated that this will be a CE Level 3 document.

XI. GEOTECHNICAL SERVICES

Geotechnical Services are not anticipated for Preliminary Engineering. If Geotechnical Services are needed the Department will provide all Geotechnical Services required for the project.

XII. RIGHT-OF-WAY

The Department will be responsible for estimating Right-of-Way costs. The selected Consultant shall identify property owners and perform deed research within the project limits. Property owner information shall be shown on the plans along with existing Right-of-Way and property lines. The selected Consultant will supply the Right-of-Way summary showing taking areas and easements needed. Preliminary Right-of-Way plans shall be furnished according to the Project Schedule.

XIII. STRUCTURE DESIGN

Structure Design is not anticipated for Preliminary Engineering. The Consultant shall provide the necessary engineering service to submit an Advanced Situation Folder(s) to the KYTC for the appropriate applicable structure(s). The Structure Design will be performed by the Department.

XIV. TRAFFIC

The Consultant will provide existing hourly traffic counts, traffic projections, existing and proposed interstate operations, and related information such as Capacity Analysis. The Department will provide the traffic analysis completed for the I-265 Widening Project.

XV. UTILITY DESIGN

The Department will be responsible for estimating Utility costs based on plans provided by the Consultant. The Department will send project location maps to all potential Jefferson County utility contacts to determine whether they may have existing utilities within these project limits. The Department will develop the utility contact list. Facility atlas maps received for this project will be provided to the selected Consultant. All utilities including aerial

carriers shall be field- verified by the Consultant. Sizes and types of underground and aerial utilities shall be identified on the roadway plans. Plans shall be provided by the Consultant in both .pdf and .dgn format. These will be distributed by the Department to utility representatives for review and comment.

The Department will authorize B.U.D. (Before You Dig) to field-locate utilities. The Consultant shall perform field surveys to collect the B.U.D. data. Horizontal location of existing utilities shown on Phase I plans shall be adjusted as necessary to reflect actual B.U.D. locates.

Design plans shall be adjusted by the Consultant as necessary to reflect SUE results provided by the Cabinet.

XVI. PREQUALIFICATION REQUIREMENTS

To respond to this project, the Consultant project team must be prequalified in the following areas by the response due date of this advertisement.

ROADWAY DESIGN

- Rural Roadway Design
- Urban Roadway Design
- Surveying
- Advanced Traffic Engineering Design & Modeling

ENVIRONMENTAL AND UST SERVICES

- Hazmat Preliminary Site Assessment (Phase 1)
- Hazmat Site Recon/Sampling (Phase 2)
- Hazmat Remediation Services
- UST Preliminary Site Assessment
- ~~UST Leak Detection/Monitoring~~
- ~~UST Tank Removal/Disposal~~
- ~~UST Site Remediation Services~~

ENVIRONMENTAL AQUATIC AND TERRESTRIAL ECOSYSTEM ANALYSIS

- Fisheries
- Macroinvertebrates
- Water Quality
- Botany
- Zoology
- Wetlands

ENVIRONMENTAL ARCHAEOLOGY AND OTHER SERVICES

- Prehistoric
- Historic
- Highway Noise
- Air Quality Analysis
- Socioeconomic Analysis
- Cultural-Historic Analysis
- EIS Writing and Coordination

TRAFFIC ENGINEERING

- Traffic Engineering Services

TRANSPORTATION PLANNING

- Traffic Data Collection
- Traffic Forecast
- Travel Demand and Simulation Modeling

XVII. PROCUREMENT SCHEDULE

Dates other than Response Date are tentative and provided for information only.

- Bulletin Posted – September 12, 2017
- Response Date – October 4, 2017 by 4:30 PM ET (Frankfort Time)
- First Selection – October 9, 2017
- Final Selection – October 25, 2017
- Pre-Design Conference – November 1, 2017
- Fee Proposal – November 10, 2017
- Contract Negotiations – November 22, 2017
- Notice to Proceed – December 21, 2017

XVIII. PROJECT SCHEDULE

- Conceptual Design Review – June 2018
- Preliminary Line & Grade – September 2018
- Submit Design Executive Summary – September 2018
- Submit Preliminary Right-of-Way and Utility Plans – October 2018
- Submit Geometric Layout Sheets – November 2018
- Submit Interchange Modification Report – December 2018

XIX. EVALUATION FACTORS

Consultants will be evaluated by the selection committee based on the following, weighted factors:

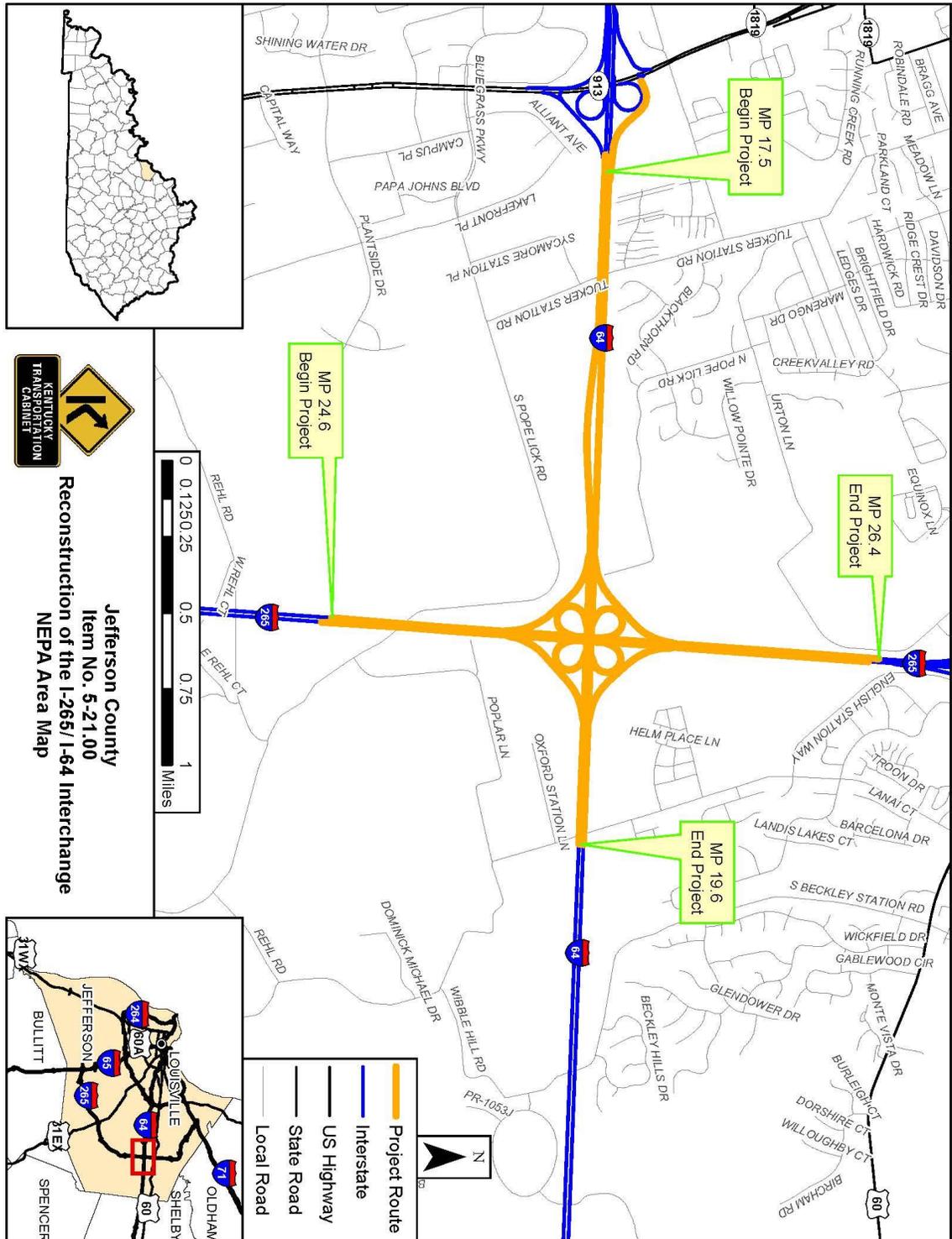
1. Project approach and proposed procedures to accomplish the services for the project. (25 Points)
2. Relative experience of consultant personnel assigned to project team with highway project for KYTC and/or federal, local or other state governmental agencies. (15 Points)
3. Past record of performance on projects similar in type and complexity. (15 Points)
4. Capacity to comply with project schedule. (10 Points)
5. DBE Participation Plan. (4 Points)
6. Consultant's offices where work is to be performed. (2 Points)

For state-funded projects, if a Selection Committee vote results in a tie between two (2) firms, one (1) of which will perform more of the work tasks in Kentucky than the other, then the former firm shall be ranked one (1) place ahead of the latter.

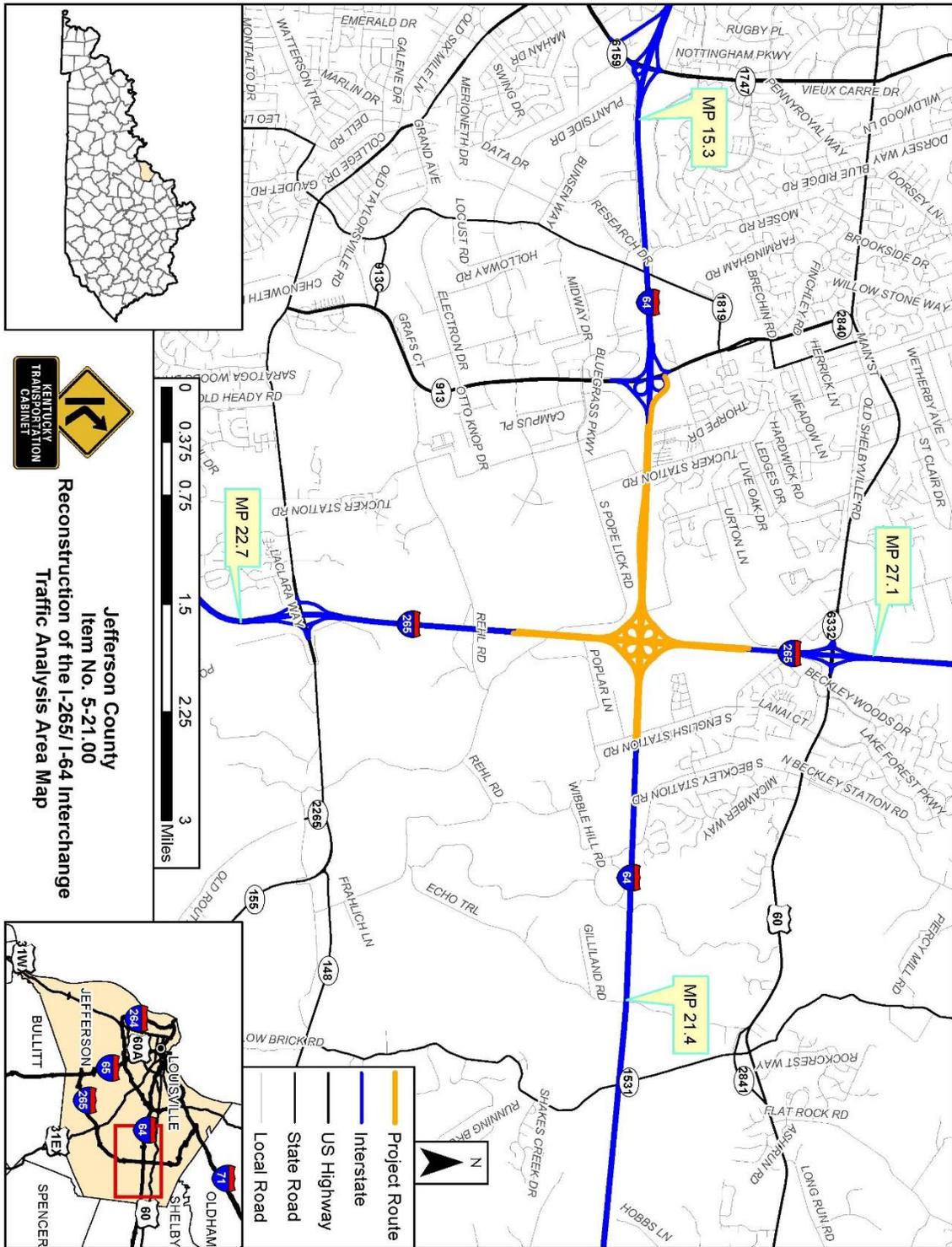
XX. SELECTION COMMITTEE MEMBERS

1. Amanda Desmond, P.E., User Division
2. Jill Asher, P.E., User Division
3. Rachel Catchings, P.E., Secretary's Pool
4. Andrew Stewart, P.E., Secretary's Pool
5. Mark Day, P.E., Governor's Pool

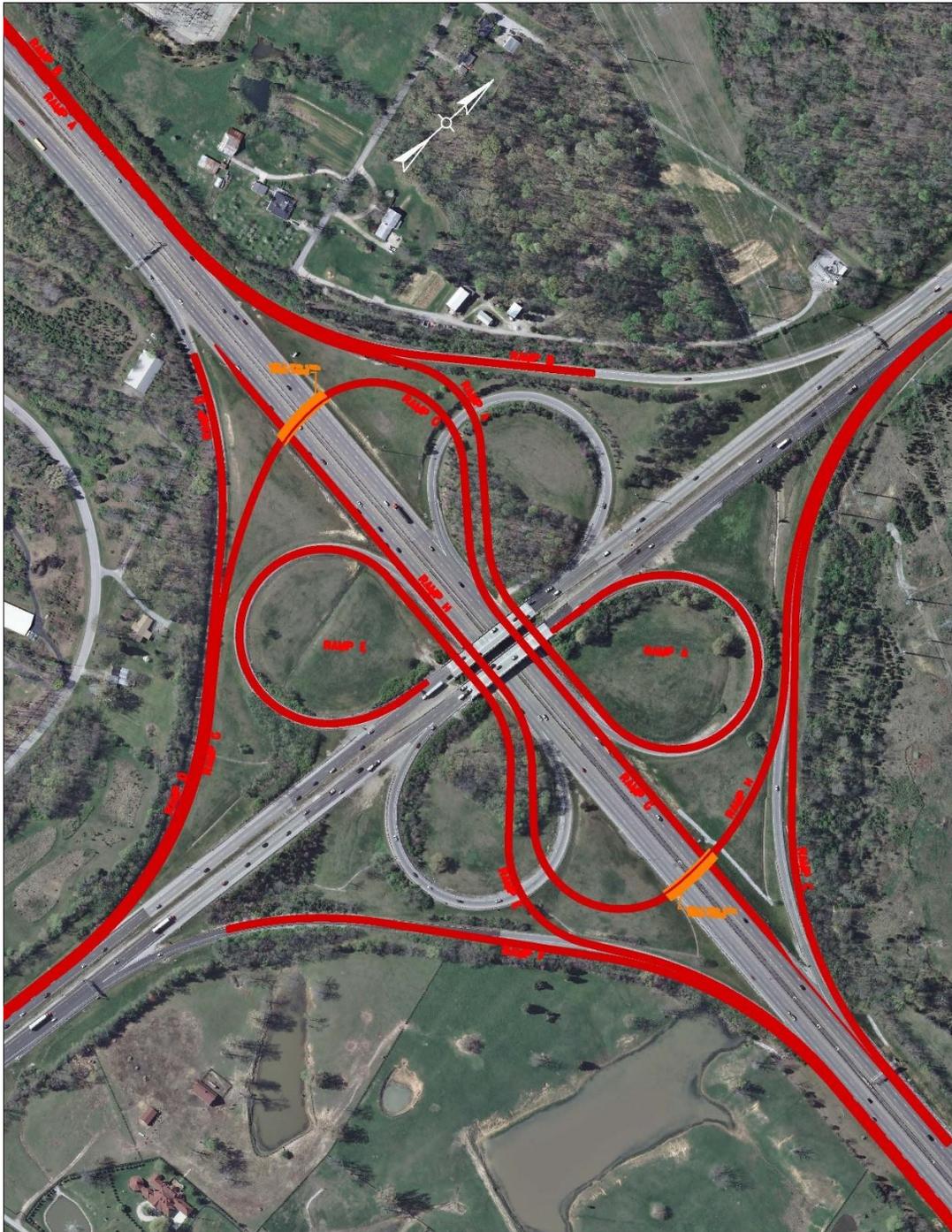
XXI. AREA MAP - NEPA



XXII. AREA MAP – TRAFFIC ANALYSIS



XXIII. CONCEPTUAL DESIGN



NOTE: This picture is to display a conceptual design that KYTC and FHWA have considered to be evaluated.